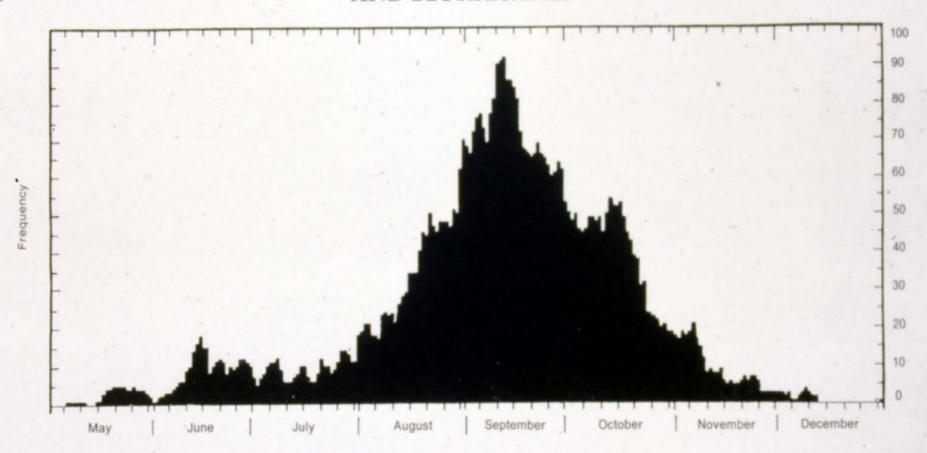


#### SEASONALITY OF TROPICAL STORMS AND HURRICANES



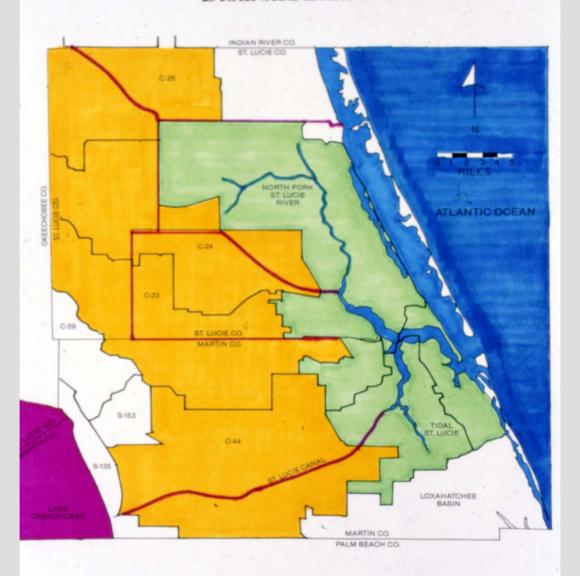




# **Upper East Coast Planning Area** NWI Wetlands - USGS Topography



#### St. Lucie Estuary: Tributaries and Drainage Basins



#### DIRECT DISCHARGES

#### MAJOR CANALS AND CONTROL STRUCTURES SFWMD 1988

CANAL	OUTFALL	DESIGN DISCHARGE cfs	PEAK REPORTED cfs	OUTFALL LOCATION .
C-24	S-49 Gated Spillway	4,680	3,857	NORTH FORK
C-23	S-48 Gated Spillway	5,035	3,859	BESSEY CREEK; LOWER NORTH FORK
C-44	S-80 Gated Spillway & Locks	16,900	15,000	SOUTH FORK
Sum of Maximum Design Discharges cfs		26,615-		







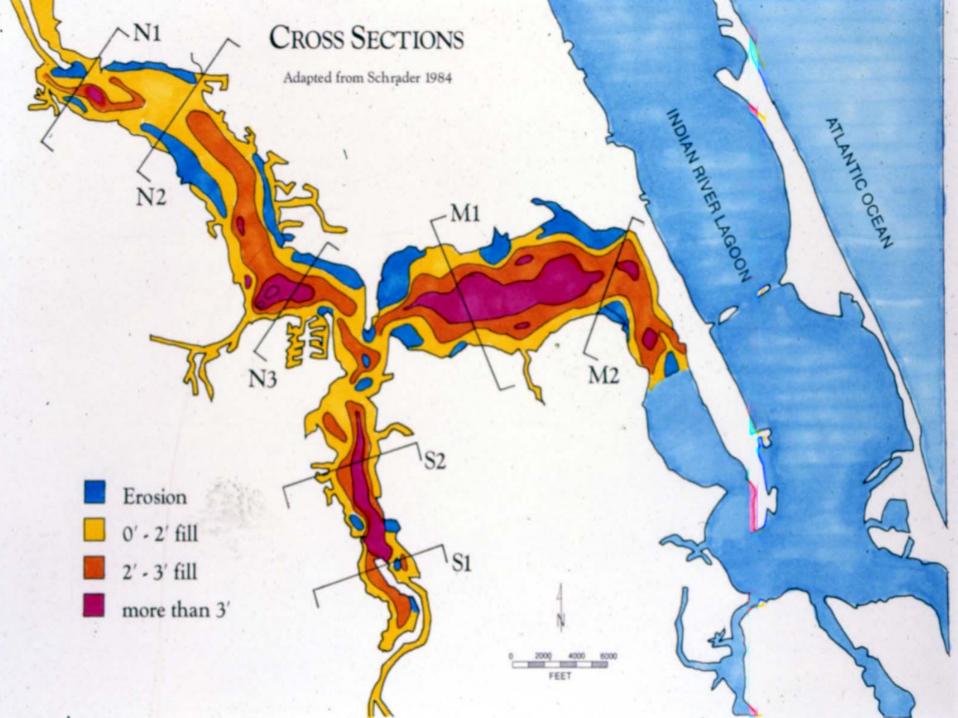




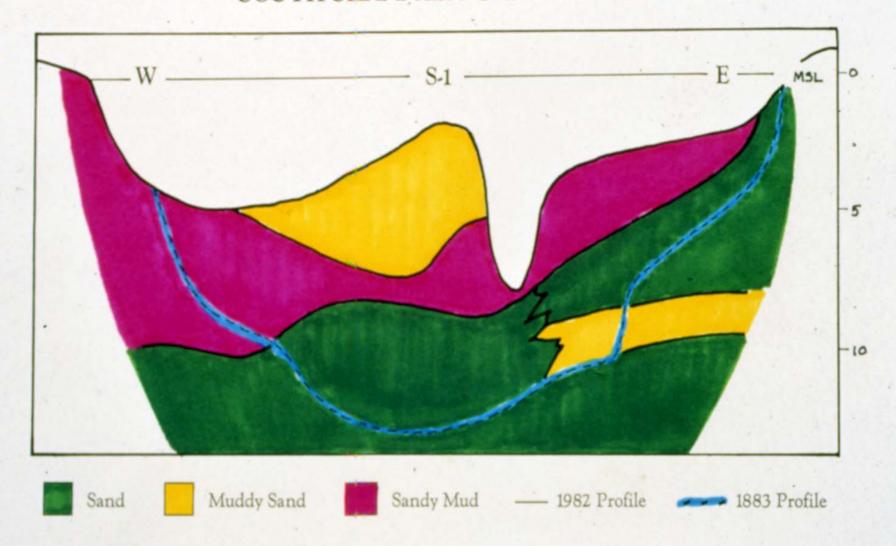


# 20,000 Years Ago Sand Muddy Sand Sandy Mud 5,000 Years Ago Present

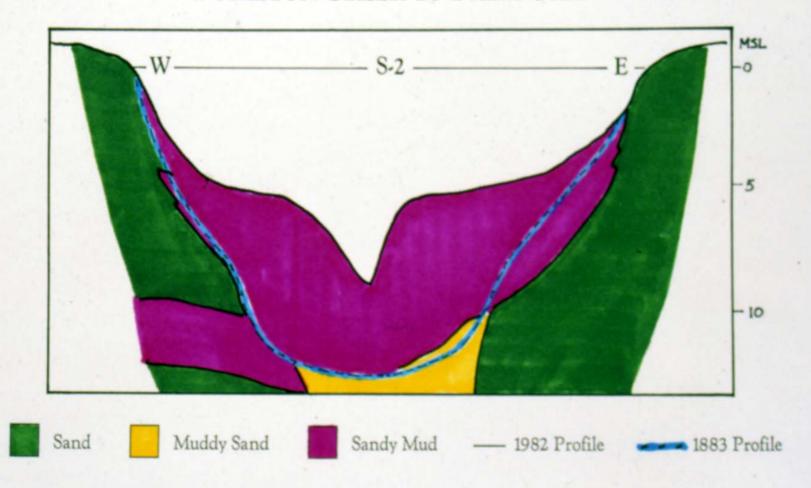
Adapted from Schrader 1984

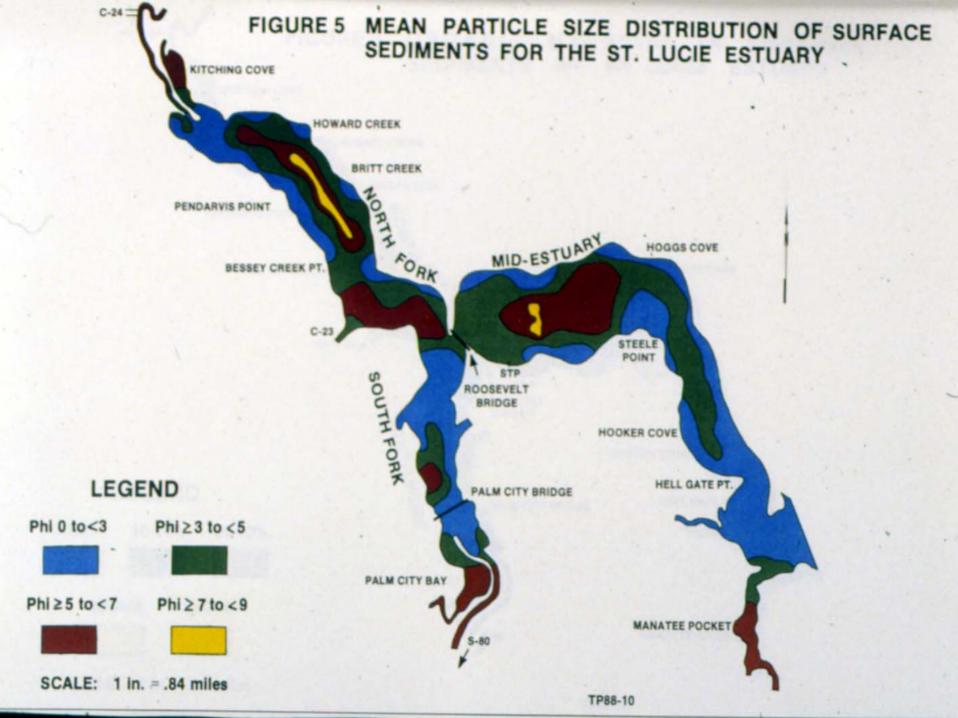


# CROSS SECTION SOUTH SIDE PALM CITY BRIDGE



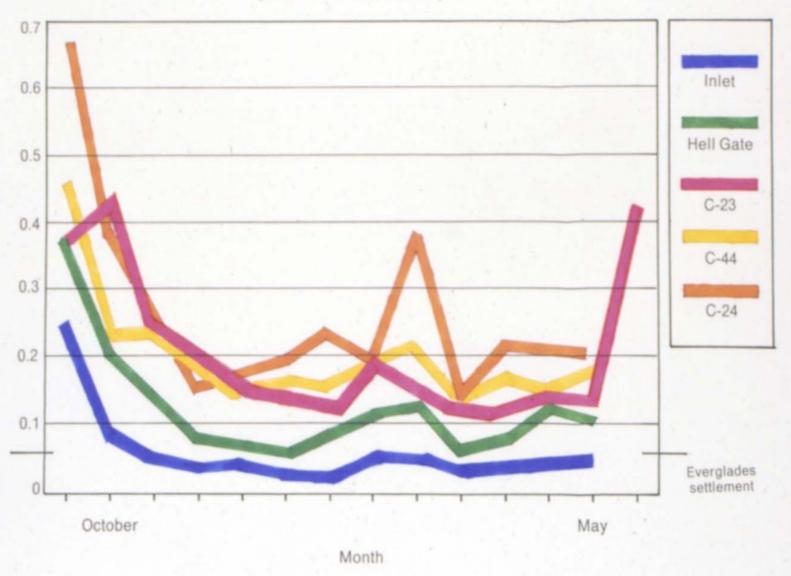
# CROSS SECTION POPLETON CREEK TO PALM CITY





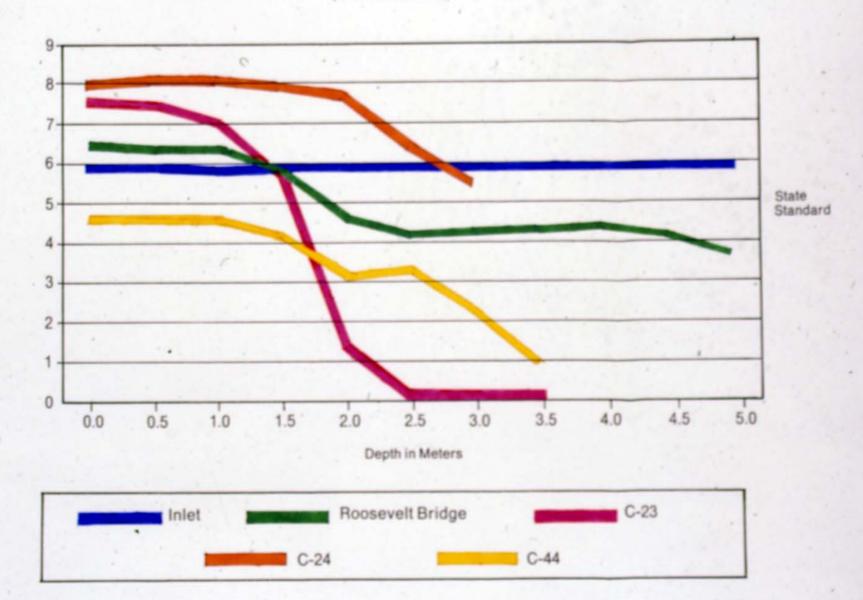
#### ST. LUCIE RIVER

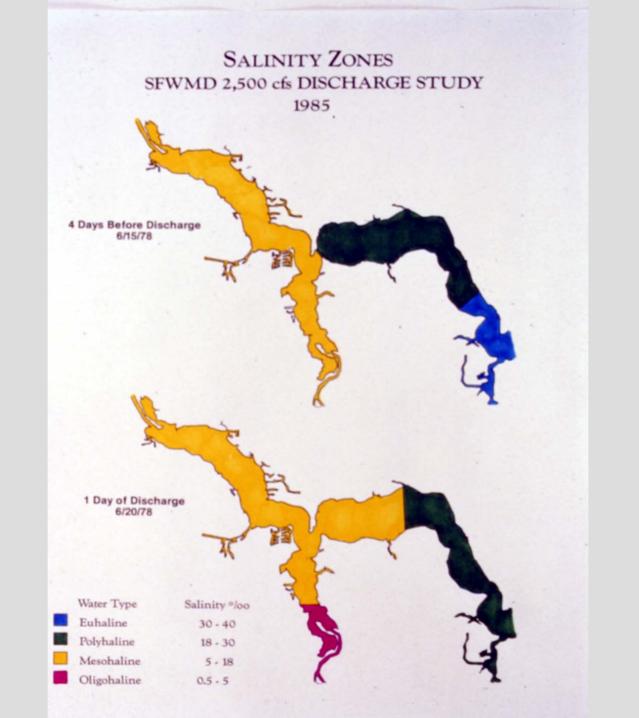
Total Phosphorus Series 10/90 to 5/91 (SFWMD Raw Data)

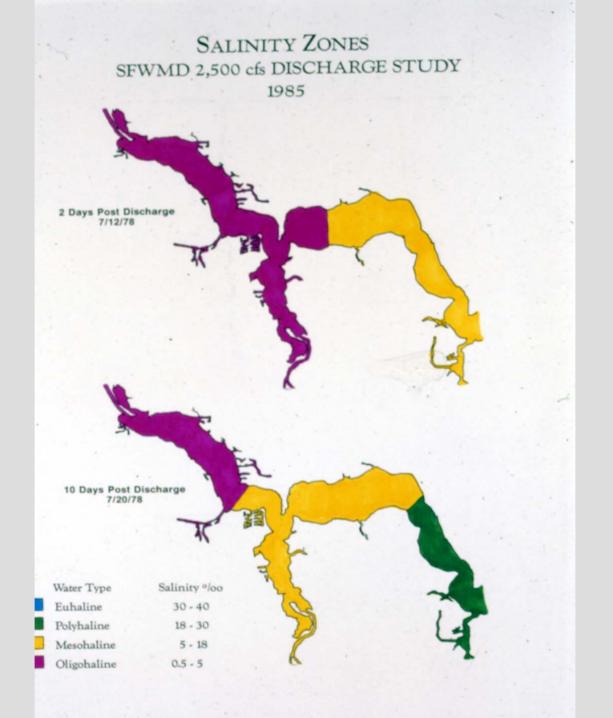


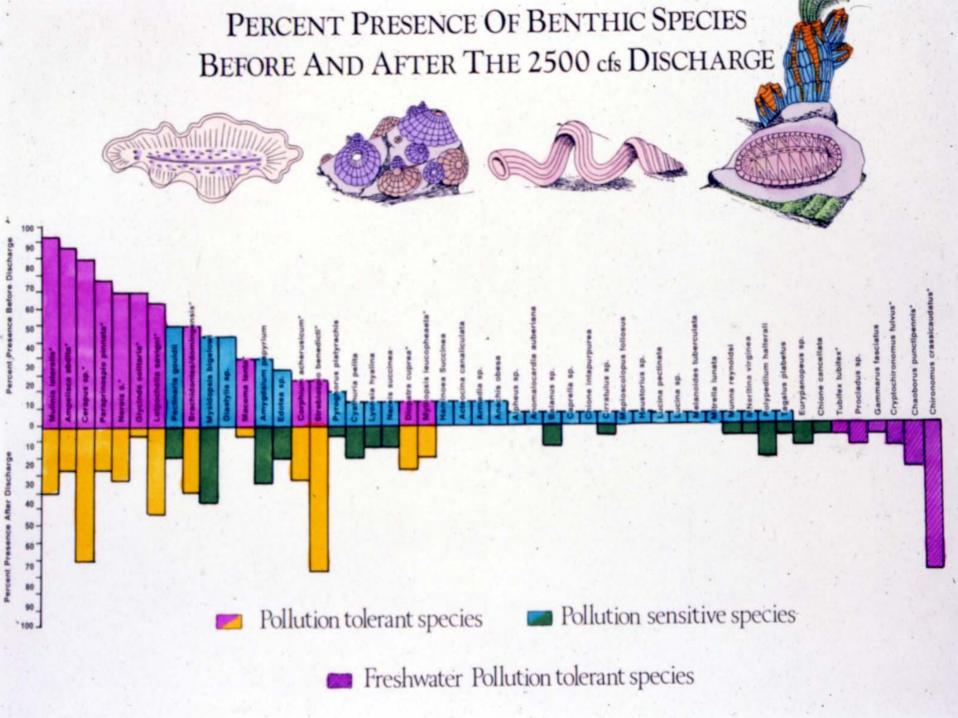
#### DISSOLVED OXYGEN ST. LUCIE RIVER

May 7, 1991 (SFWMD Raw Data)

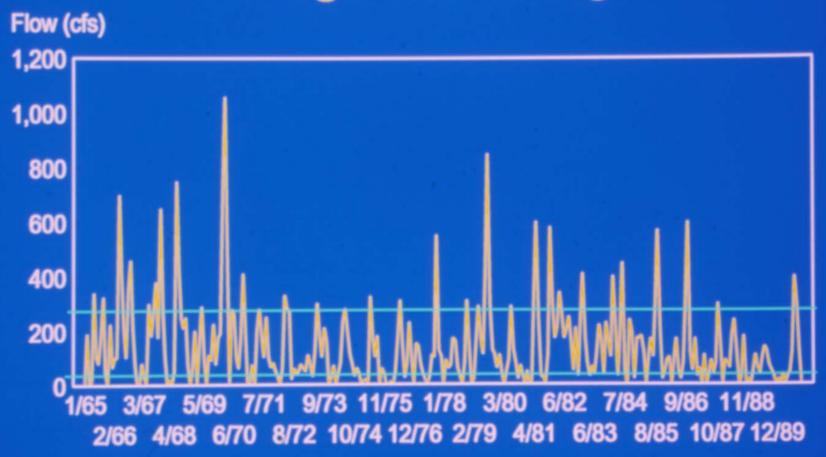






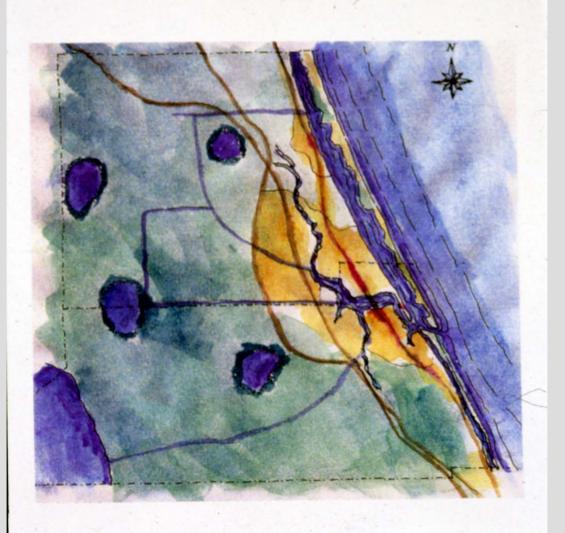


# C-23 Average Monthly Flow w/ Target Inflow Range



# REGIONAL ATTENUATION FACILITY TASK FORCE

DRAFT REPORT AUGUST 31, 1995













### Conclusion

- Adequate technical information exists to size and locate WPA's
- Sites are available (i.e. willing sellers)
- Original USACOE estimates appear high
- Most sites would pose some environmental impacts
- Those impacts must be mitigated

## Conclusion (cont'd)

- Benefits have been under estimated
   Costs have been over estimated
- Efforts to improve Lake Okeechobee Regulation schedule must continue
- Funding sources are available
- Time is right and time is of the essence

## Recommendation

- Public comment should be solicited to reach consensus
- RAFTF Report should be modified and distributed
- Both Martin and St. Lucie County Commissions have extended the 90 day life of the Task Force and asked them to:
  - consider lease purchase options
  - solicit additional willing sellers
  - prepare potential funding arrangements
- Local, state and federal governments need to move forward with acquisition and construction

